

1fw

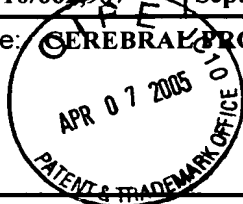
**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
246/03735

In Re Application Of: **Shimon MAROM, et al**

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/662,987	September 15, 2003	STARKS, W.L.	44909	2121	2244

Title: **CEREBRAL PROGRAMMING**



Address to:  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

**OR**

☐ the fee set forth in 37 CFR 1.17(p).

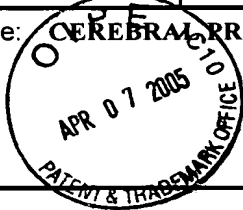
**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
246/03735

In Re Application: Shimon MAROM, et al

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/662,987	September 15, 2003	STARKS, W.L.	44909	2121	2244

Title: CEREBRAL PROGRAMMING



**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 03-3419 as described below.
- ☐ Charge the amount of \_\_\_\_\_
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.
- ☐ Payment by credit card. Form PTO-2038 is attached.

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

**Certificate of Transmission by Facsimile\***

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. \_\_\_\_\_)

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Typed or Printed Name of Person Signing Certificate

**Certificate of Mailing by First Class Mail**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on \_\_\_\_\_

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
Signature of Person Mailing Correspondence

\_\_\_\_\_  
Typed or Printed Name of Person Mailing Certificate

**\*This certificate may only be used if paying by deposit account.**

Dated: March 20, 2005

  
\_\_\_\_\_  
Signature  
Maier FENSTER, Reg. No. 41,016

William H. Dippert, Esq.  
Reed Smith LLP  
599 Lexington Avenue, 29th Floor  
New York, NY 10022-7650

Tel: (212) 521-5400

CC:



PTO/SB92 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

### Certificate of Mailing under 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Mail Stop: Amendment  
Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

on April 4, 2005

Date

Geraldine Gress

Reed Smith LLP  
599 Lexington Avenue  
29th Floor  
New York, New York 10022-7650  
Tel: 212-521-5400; Fax: 212-521-5450

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Applicant: Shimon Marom, et al.  
Serial No: 10/662,987  
Filing Date: September 15, 2003  
For: Cerebral Programming  
Enclosures: (1) Transmittal of Information Disclosure Statement (3 pages); (2) Information Disclosure Statement (2 pages); (3) IDS Citation (3 pages); (4) Acknowledgement Postcard.

Burden Hour Statement: This form is estimated to take 0.03 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In regard to the application of: Shimon Marom

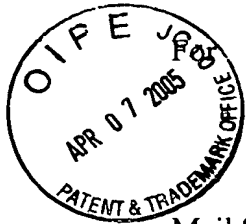
Serial No : 10/662,987

Group Art Unit: 2121

Filed : September 15, 2003

Examiner: STARKS, W.L.

: CEREBRAL PROGRAMMING



**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicant respectfully directs the attention of the Examiner to art cited with respect to U.S. Application No. 10/662,987, which is a continuation of PCT/IL02/00204.

The Examiner is respectfully requested to review and consider this art, in accordance with MPEP 2001.06 and to indicate in the next office action that he has considered this art. Additionally, the Examiner is respectfully requested to cite those prior art publications mentioned in this application which the Examiner considers to be material or relevant to the present claims.

Further, in order to comply with discretionary regulations 37 CFR 1.97 and 1.98, attached is an Equivalent to Form PTO-1449 listing the cited art. Also attached are copies<sup>1</sup> of the art. This art contains information which the Examiner may consider to be important in deciding whether to allow the present application to issue as a patent.

Copies of items 1-9, 17-22 and 30-33 are not attached, as the USPTO waived the requirement under 37 CFR 1.98(a)(2)(i) for submitting copies of US patents and US patent application publications in all U.S. applications filed after June 30, 2003. See MPEP 609 III A(2).” Additionally, items 6, 17 and 32 were cited in the international search report.

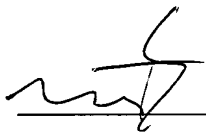
<sup>1</sup> To the extent that a document is listed and no copy of same is attached, then such document is not at the present time available to the undersigned or is available in the national stage file. If a listed document is not in the English language and an English translation is readily available, such translation is also attached; if translation is not attached, it is not readily available to the undersigned. If a foreign language patent document is cited, and an English language equivalent is known to the undersigned, then such an equivalent patent is also cited on the attached form along with the corresponding foreign language patent and a connecting arrow indicated there between; if no such English language equivalent is cited then none is known to the undersigned.

In accordance with MPEP Section 609 it is requested that each document cited [including any mentioned in Applicants' specification which is not repeated on the attached (or prior) PTO-1449 form(s) or equivalents thereof] be given thorough consideration and be cited of record in the prosecution history of the present application by initialing on the PTO-1449 form or its equivalent, so that it will appear on the face of the patent issuing on the present application, even if the Examiner does not consider it sufficiently pertinent to use in a rejection, or otherwise does not believe that the guidelines for citation have been fully complied with.

The present Information Disclosure Statement is being submitted in compliance with 37 CFR 1.56 as an Examiner might consider any cited document important in deciding whether to allow the application to issue as a patent, but the citation of each document is not to be construed as an admission that such document is necessarily relevant or prior art. No representation is intended that the cited documents represent the results of a complete search, and it is anticipated that the Examiner in the normal course of examination, will make an independent search and will determine the best prior art consistent with 37 CFR 1.104(a), and in the course of such search will review for relevance every document cited on the attached form.

Early and favorable consideration is earnestly solicited.


Respectfully submitted,  
Shimon MAROM

A handwritten signature in black ink, appearing to read 'Maier Fenster', is written over a horizontal line.

Maier FENSTER  
Registration No. 41,016

March 20, 2005

William H. Dippert, Esq.  
Reed Smith LLP  
599 Lexington Avenue  
New York, NY 10022-7650  
Tel: (212) 521-5400

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary) 	ATTY DOCKET NO. 246/03735	SERIAL NO. 10/662,987
	APPLICANT(S) Shimon MAROM	
	FILING Sep. 15, 2003	GROUP 2121

### U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	Filing date if appropriate
	1	5,215,086	01 June 1993	TERRY R.S., JR, et al			
	2	5,231,988	03 Aug 1993	WERNICKE, J., et al			
	3	5,263,480	23 Nov 1993	WERNICKE, J., et al			
	4	5,269,303	14 Dec 1993	WERNICKE, J., et al			
	5	5,299,569	05 Apr 1994	WERNICKE, J., et al			
	6	5,325,862	05 Jul 1994	LEWIS, G. W., et al			
	7	5,330,515	19 Jul 1994	RUTECKI, P., et al			
	8	5,335,657	09 Aug 1994	TERRY R.S., JR, et al			

### U.S. PATENT APPLICATION PUBLICATIONS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	Filing date if appropriate
	9	2002/0002390	03 Jan 2002	FISCHELL, R. E. et al.			

### FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
	10	WO 93/02744	18 Feb 1993	PCT				
	11	WO 93/01862	04 Feb 1993	PCT				
	12	WO 01/47463	05 Jul 2001	PCT				

### OTHER DOCUMENTS (Including Author, Title, Date Pertinent Pages, Etc.)

	13	SCHULTZ, W.; "Predictive Reward Signal of Dopamine Neurons;" 1998; The American Physiological Society; pps. 1-27
	14	GISIGER, T. et al.; "Computational Models of Association Cortex;" 2000; Current Opinion in Neurobiology; Vol. 10; pps. 250-259
	15	WESSBERG, J. et al.; Real-Time Prediction of Hand Trajectory by Ensembles of Cortical Neurons in Primates;" November 16, 2000; Nature; Vol. 408; pps. 361-365
	16	BUONOMANO, D. V. et al.; "Cortical Plasticity: From Synapses to Maps;" 1998; Annu. Rev. Neurosci.; Vol. 21; pps 149-186

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Form PTO-A820

(also form PTO-1449)

Patent and Trademark Office\*U.S. DEPARTMENT OF COMMERCE

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)	<b>ATTY DOCKET NO.</b> 246/03735	<b>SERIAL NO.</b> 10/662,987
	<b>APPLICANT(S)</b> Shimon MAROM	
	<b>FILING</b> Sep. 15, 2003	<b>GROUP</b> 2121

### U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	Filing date if appropriate
	17	5,396,896	14 Mar 1995	TUMEY, D. M. et al.			
	18	5,522,863	04 Jun 1996	SPANNO, M., et al			
	19	5,540,730	30 July 1996	TERRY R.S., JR, et al			
	20	5,571,150	05 Nov 1996	WERNICKE, J., et al			
	21	5,707,400	13 Jan 1998	TERRY R.S., JR, et al			
	22	5,928,272	27 Jul 1999	ADKINS, R., et al			

### U.S. PATENT APPLICATION PUBLICATIONS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	Filing date if appropriate

### FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
	23	WO 00/74777	14 Dec 2000	PCT				
	24	WO 98/06342	19 Feb 1998	PCT				
	25	WO 97/45160	04 Dec 1997	PCT				

### OTHER DOCUMENTS (Including Author, Title, Date Pertinent Pages, Etc.)

	26	"Definition of Learning" from "Web Dictionary of Cybernetics and Systems" downloaded < <a href="http://pespmcl.vub.ac.be/ASC/LEARNING.html">http://pespmcl.vub.ac.be/ASC/LEARNING.html</a> > on March 15, 2005.
	27	SHAHAF, G. et al.; "Learning in Networks of Cortical Neurons"; November 15, 2001; The Journal of Neuroscience; Vol. 21(22); pps. 8782-8788
	28	CHAPIN, J. K. et al.; "Real-Time Control of a Robot Arm Using Simultaneously Recorded Neurons in the Motor Cortex;" July 1999; Nature Neuroscience; Vol. 2; No. 7; pps. 664-670; 1999 Nature America Inc.; < <a href="http://neurosci.nature.com">http://neurosci.nature.com</a> >

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Form PTO-A820

Patent and Trademark Office\*U.S. DEPARTMENT OF COMMERCE

(also form PTO-1449)

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)	ATTY DOCKET NO. 246/03735	SERIAL NO. 10/662,987
	APPLICANT(S) Shimon MAROM	
	FILING Sep. 15, 2003	GROUP 2121

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	Filing date if appropriate
	30	6,066,163	23 May 2000	JOHN, M. S.			
	31	6,104,956	15 Aug 2000	NARITOKU et al.			
	32	6,171,239	09 Jan 2001	HUMPHREY, D. R.			
	33	6,341,236	22 Jan 2002	OSORIO, I. et al.			

**U.S. PATENT APPLICATION PUBLICATIONS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	Filing date if appropriate

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date Pertinent Pages, Etc.)**


<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
-----------------	------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-A820

Patent and Trademark Office\*U.S. DEPARTMENT OF COMMERCE

(also form PTO-1449)